

5. Evaluate the quality of the instruction and the new curriculum and its ability to meet the needs of the public transportation industry periodically.
7. Plan for and implement a new undergraduate degree in public transportation management and administration. The proposed degree should be structured as follows: see Table 3.
  - a. 124 Total Credit Hours Required
  - b. Ten Core Courses (See Courses 1-10 listed Below) 30 Hours
  - c. Five Non-Major Required Courses = 15 Hours (Courses A-E)
  - d. *Concentration/Electives (Courses Noted as F) =79 Hours*

**Proposed Core Course Concepts for an Undergraduate Degree (BS) Program in Transportation Administration and Management (30 Hours)**

1. **Introduction to Public Transportation** (overview of public transportation systems, operations, includes history of public transportation in N.C, leadership and ethics)
  2. **Organizational Theory** (includes management of public transportation, business and finance of public transportation)
  - 3-4. **Public Transportation Operations Planning I** (includes scheduling, route planning with software, Transportation Development Program (TDP), Transportation Improvement Program (TIP), dispatching, run cutting, Bus assignment, personnel training for Fixed Route)
  5. **Public Transportation Operations Planning II** (includes scheduling, route planning with software, dispatching, roster, bus assignment, personnel training for **Para-transit**-Carpooling, Vanpooling, TDM)
  6. **Computer Applications in Public Transportation** (includes report generation, statistical analysis of service, includes statistical applications, new technological tools for data collection and analysis, National Transit Database compilation)
  7. **GIS, Land Use and Environmental Issues related to Public Transportation** (includes Long Range Transportation Plan, TDP, TIP, route analysis).
  8. **Public Transportation Policy** (Labor laws, FTA/DOT Regulations, DOT regulations, Civil Rights, Title VI, DBE, Americans with Disabilities Act , Drugs & Alcohol, Federal / State Funding Programs Triennial Reviews)
  9. **Business Fundamentals Public Transportation Marketing and Public Relations**
  10. **Student Apprenticeship**
8. It is anticipated that the non-traditional students (age 25 and over, employed, with family responsibilities) will be the majority of the students enrolled in this program. Specific focus should be given to non-traditional students to ensure that their work and learning needs are met by offering incentive programs, tuition and academic funding, flexibility in scheduling, and satellite locations throughout the state.
  9. Establish a formal collaborative relationship with North Carolina Agricultural and Technical State University that includes planning and sharing resources where possible.